

In re: Appn No. 10/603,332  
Amendment dated September 19, 2006  
Reply to Office action of June 21, 2006

Remarks

Claims 1-30, 34, 38, 39, and 44 were canceled prior to the present amendment. Claims 31-33, 35-37, 40-43, 45-53 were presented prior to present amendment. Upon entry of the present amendment, Claims 1-30, 34, 38, 39, and 44 are canceled. Claims 31-33, 35-37, 40-43, 45-47, 49, and 50 are amended claims. Claims 48, and 51-53 were previously presented and remain pending. Only three independent claims are pending and the total number of claims remains less than twenty, it is believed that no additional claim fees are required.

Claim Objections

The Examiner cited for Claim 43 the specific objection of improper dependent form for failing to further limit the subject matter of the previous claim. Where the Applicant has not traversed, Applicant thanks the Examiner for the careful examination that uncovered this error. Applicant has addressed this objection by amending the appropriate claim limitations by amended Claim 42 such that specific azoles are solely mentioned in Claim 43.

Because the Examiner's objections have been overcome, Applicant respectfully requests withdrawal of these rejections.

35 USC 112; Claim Rejections

Claims 31 and 49-50 were rejected by the Examiner as failing to comply with the written description requirement. Applicant thanks the Examiner for the careful examination that uncovered this error. Applicant has addressed this objection by amending Claims 31 and 50 limitation by the elimination of the reference to 500 nanometers to 25 nanometers. Application has addressed this objection by amending Claim 49 limitation by the elimination of the reference to 500 nanometers to 1000 nanometers. The preamble of Claims 32, 33, 35-37, 40 – 43, and 45 - 47 has been corrected to address the rejection and further amended to "metal powder" from "powder".

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Claims 31 and 49 have been corrected to address the rejection by elimination of the terms "enhanced" and "reduced". Claim 31 has replaced the term "reduced" with the full descriptive term of "chemical reduction reaction" as to eliminate the relative term.

Claim 50 has been corrected to address the rejection by elimination of the term "enhanced".

Claims 32 and 49-50 has been corrected to address the rejection by elimination of the term "stoichiometric excess".

Claims 51-53 has been corrected to address the rejection since the claim does not set forth any steps involved in the method/process, by amended Claim 50 to properly be a composition.

**Ogawa et al (JP 58-103565) Cannot be properly cited to render amended Claims 31 - 33, 35 - 36, and 47 as being anticipated**

Claims 31 - 36, 38 - 43, and 47-53 were rejected by the Examiner as being anticipated by Ogawa et al JP 58-103565 (hereinafter '565). The Examiner contends that '565 teaches an electrically conductive paint comprising a coating and a sub-micron particle size to meet the limitations of Claims 31 – 36, 38 - 43, and 47-53.

With respect to independent Claim 31 applicant has responded by modifying the language to further reflect the preferred embodiment of particle size being less than 25 nanometers. '565 furthermore has is limited to a thermoset resin or paint.

Claims 49 and 50 were rejected by the Examiner as being anticipated by Ogawa et al JP 58-103565 (hereinafter '565). The Examiner contends that '565 teaches solely a thermoset resin or paint, and a ethyl carbitol improperly identified as a phase change material. Ethyl carbitol has a melting temperature of -76 C, which is well beyond the temperature range to transform from a solid to a liquid, or vice versa. '565 does not anticipate the solvent, or the composition remaining as a fluid. Nor does '565 anticipate any heat transfer.

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Claims 37 and 45-46, which were objected to as being dependent upon a rejected base claim, have been modified by incorporating a limitation to overcome the objection within the original independent claim of Claim 31.

Summary

Applicant respectfully submits that the presently pending claims have overcome the Examiner's objections. Accordingly, Applicant respectfully request allowance of the pending claims. Should the Examiner require any further information or wish to discuss any aspect of this Response, Applicant respectfully request that the Examiner contact the undersigned at the telephone number listed below. It is believed that no fees are required for this filing.

Respectfully submitted,  
Michael Gurin

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~~September 19, 2006~~  
Sept. 19, 2006

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